

What is claimed is:

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- ✓ 1. A method of out-dialing an address having a plurality of digits, comprising:
    - (a) initiating a call by dialing a sequence of digits representing the address to be out-dialed;
    - (b) recognizing at least a part of said dialed digits, and further recognizing the sequence of said recognized dialed digits;
    - (c) before the address is out-dialed, searching a data base that includes at least portions of a plurality of digits for said recognized dialed digits, and for the recognized sequence of said recognized dialed digits;
    - (d) before the address is out-dialed, matching said digits and said sequence to digits in a data base of addresses requiring special handling; and
    - (e) if there is no match in said data base, searching a data base that includes at least portions of a plurality of previously out-dialed addresses for said recognized dialed digits.
  - ✓ 2. A method of out-dialing an address having a plurality of digits, comprising:
    - (a) initiating a call by dialing a sequence of digits representing an address to be out-dialed;
    - (b) recognizing at least a part of said dialed digits, and further recognizing the sequence of said recognized dialed digits;

- (c) before the address is out-dialed, searching a data base that includes at least portions of a plurality of previously out-dialed addresses, for said recognized dialed digits;
- (d) before the address is out-dialed, automatically searching a data base of addresses that require special handling for said recognized dialed digits, and for the recognized sequence of said recognized dialed digits; and
- (e) before the address is out-dialed, automatically matching said digits and said sequence to digits in a data base of addresses requiring special handling.

- /3. A method of out-dialing a telephone number, comprising:
  - (a) initiating a call by dialing a sequence of digits representing the phone number to be out-dialed;
  - (b) recognizing at least a part of said dialed digits, and further recognizing the sequence of said recognized dialed digits;
  - (c) before the number is out-dialed, searching a data base that includes one or more key words established by a party independent of the caller and linked with the telephone number to be out-dialed;
  - (d) before the number is out-dialed, automatically matching said dialed digits and said key words in said data base of key words;
  - (e) matching said dialed sequence of digits to a key word in said data base; and
  - (f) causing said associated phone number to be out-dialed.

- ✓ 4. An apparatus for out-dialing an address, comprising;  
a data base including at least portions of a plurality of previously out-dialed addresses;  
said data base including information about the switching code for each of said previously out-dialed addresses;  
a data base of addresses for a plurality of switching codes, including information about the switching code for each address;  
a connection between said data base of addresses for a plurality of switching codes, and the data base of previously out-dialed addresses;  
at least one-number in said data base of addresses for a plurality of switching codes matching at least one address in said data base of previously out-dialed addresses; and  
said connection causing said identified previously out-dialed address to be changed in said data base of previously out-dialed addresses.
- ✓ 5. A method of out-dialing an address having a plurality of digits, comprising:  
initiating a call by speaking one or more key words corresponding to an address to be out-dialed, each address comprised of multiple digits;  
recognizing at least one or more key words, and further recognizing the sequence of said recognized key words;

searching a data base that includes said one or more key words established by a party independent of the speaker, for said one or more key words corresponding to said address to be out-dialed;

matching at least a portion of said key word in said data base to said recognized one or more key words;

identifying said address to be out-dialed corresponding to one or more key words; and

causing said identified address to be out-dialed.